

Partial Lunar Eclipse of 1973 Dec 10

Ecliptic Conjunction = 01:35:20.2 TD (= 01:34:35.9 UT)

Greatest Eclipse = 01:45:06.3 TD (= 01:44:21.9 UT)

Penumbral Magnitude = 1.0760

P. Radius = 1.3020°

Gamma = 0.9644

Umbral Magnitude = 0.1007

U. Radius = 0.7606°

Axis = 0.9823°

Saros Series = 115 Member = 55 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 17h07m12.8s

Dec. = -22°53'16.9"

S.D. = 00°16'14.5"

H.P. = 00°00'08.9"

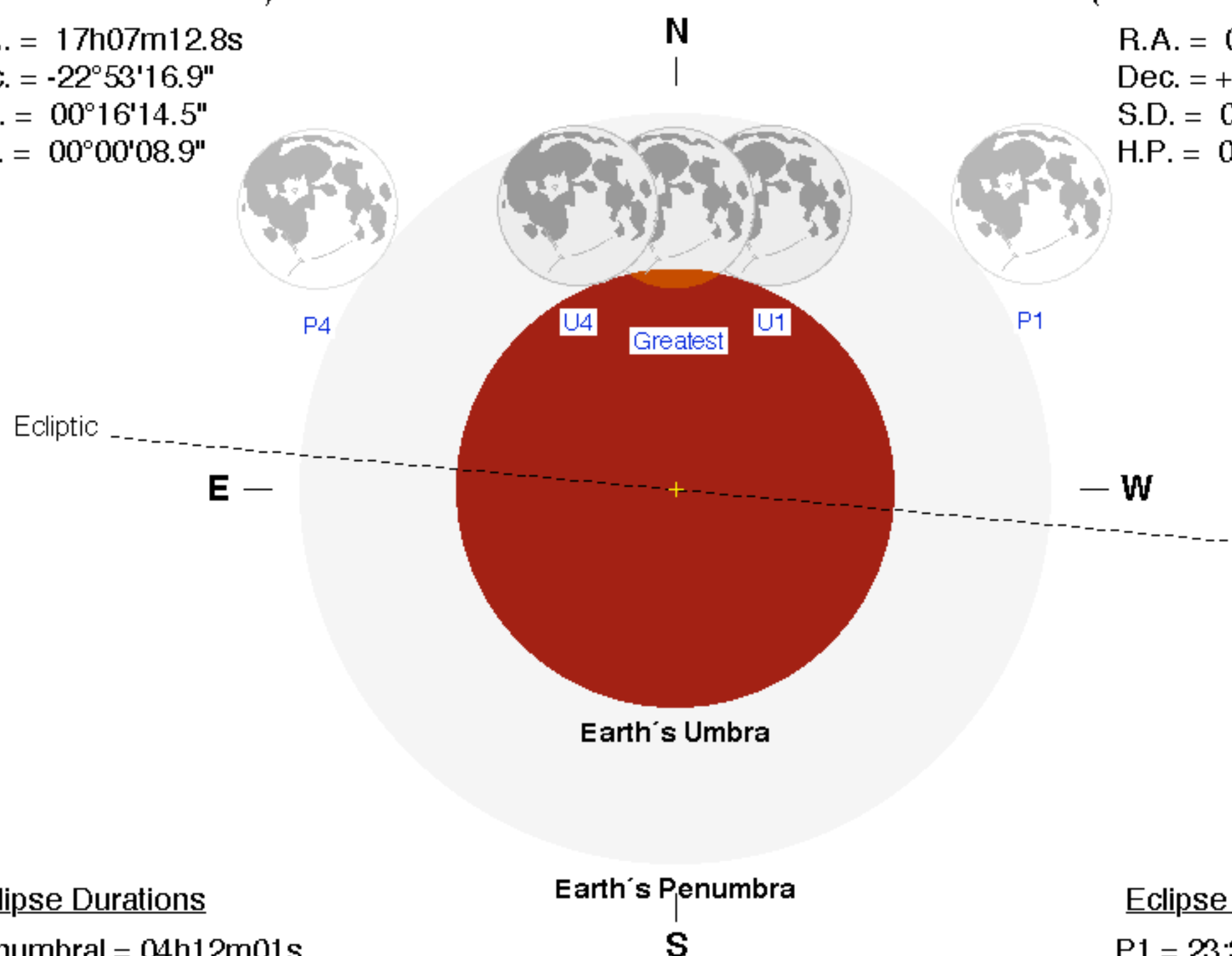
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 05h07m14.5s

Dec. = +23°52'13.3"

S.D. = 00°16'39.2"

H.P. = 01°01'07.2"



Eclipse Durations

Penumbral = 04h12m01s

Umbral = 01h08m28s

Eclipse Contacts

P1 = 23:38:22 UT

U1 = 01:10:10 UT

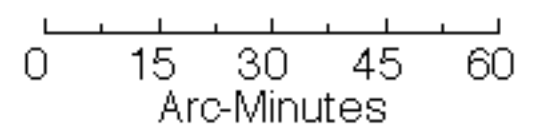
U4 = 02:18:39 UT

P4 = 03:50:23 UT

$\Delta T = 44$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html

